



Drought Information Statement for the Tri-State Area

Valid February 03, 2024

Issued By: WFO Goodland Kansas

Contact Information: 785-899-2360, nws.goodland@noaa.gov

- This product will be updated by the 5th of each month or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/gld/DroughtInformationStatement> for previous statements.





U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for High Plains

- Drought intensity and Extent

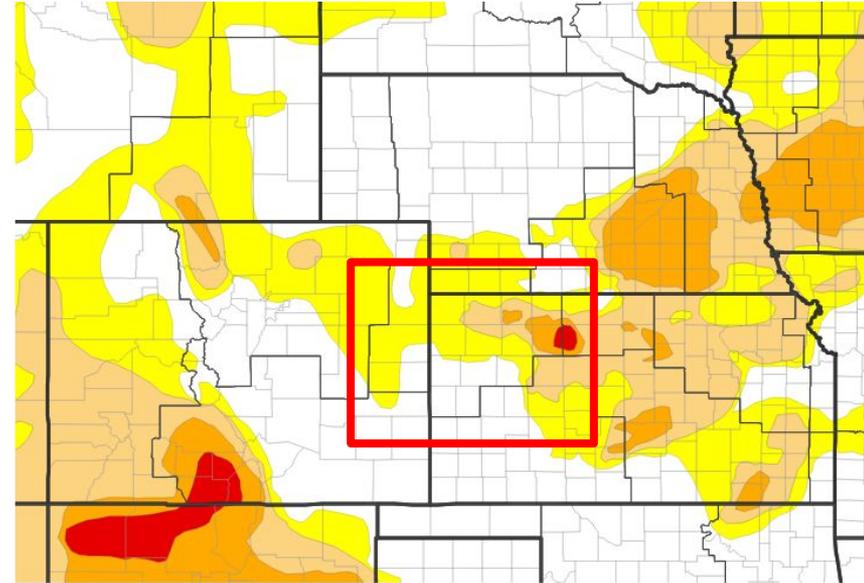
D3 (Extreme Drought): Graham

D2 (Severe Drought): Decatur, Norton, Sheridan

D1 (Moderate Drought): Cheyenne (KS), Rawlins, Thomas, Gove

D0: (Abnormally Dry): Sherman, Wallace, Logan, Red Willow, Hitchcock, Dundy, Yuma, Kit Carson, Cheyenne (CO)

This Map Does Not Reflect the Rainfall Event From the Start of February



U.S. Drought Monitor



Image Caption: Goodland County Warning Area Drought Monitor. Valid

6am MDT Feb 03, 2024





Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for CONUS

- 4 Week Drought Monitor Class Change.

Drought Improved: Cheyenne (KS), Sherman, Kit Carson, Thomas, Sheridan, Graham, Wallace, Logan and Gove

- A snowy January led to some drought improvements across the area.

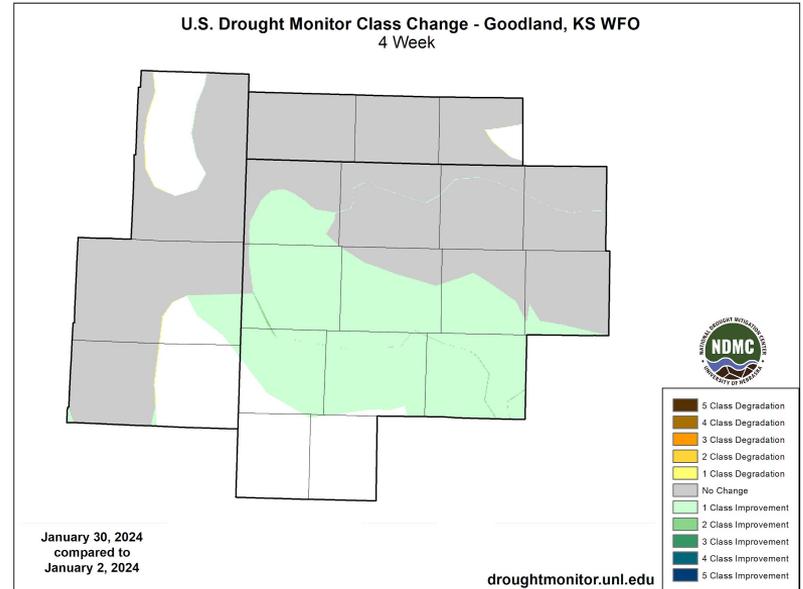


Image Caption: U.S. Drought Monitor 4-week change map valid
6am MDT Feb 03, 2024





Precipitation

- A snowy January which favored NW Kansas led to well above Normal precipitation. Portions of northeast Colorado and SW Nebraska was closer to normal for precipitation.

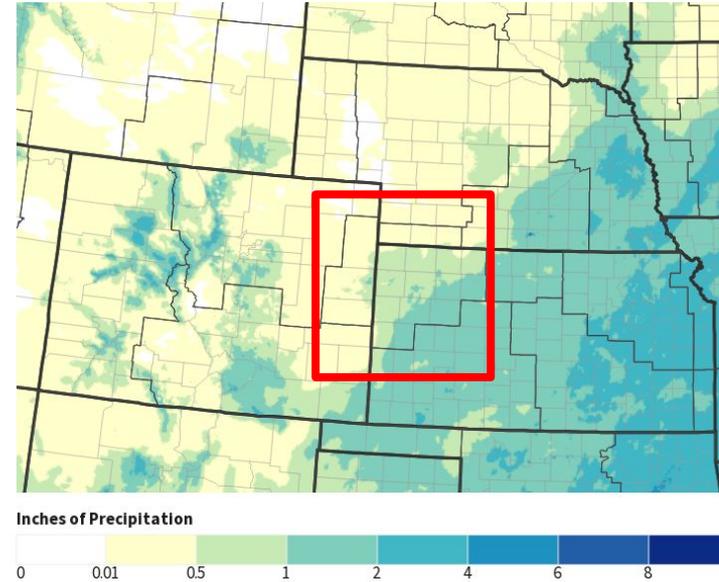
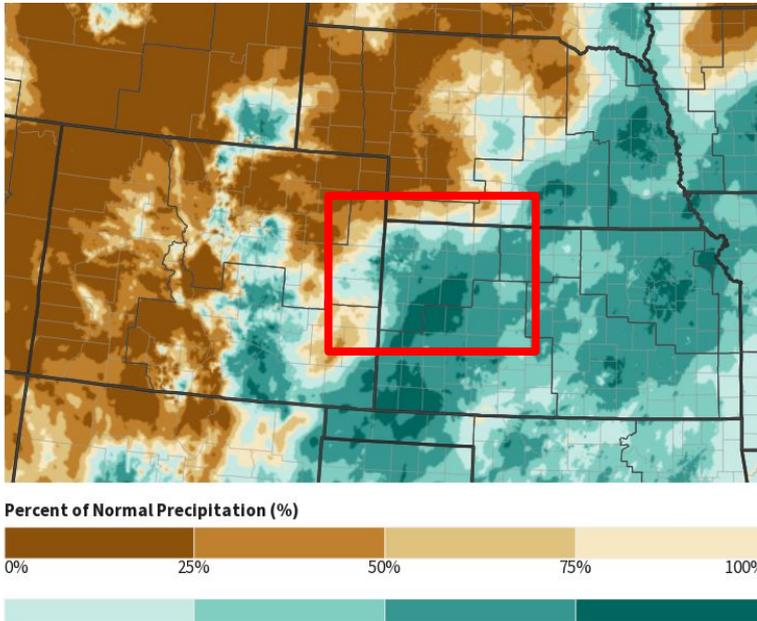


Image Captions:
Right - Monthly Precipitation Amount for Tri-State Area
Left - Percent of Normal Monthly Precipitation for Tri-State Area
Data Courtesy of MRMS. Date Valid:

Feb 03 2024

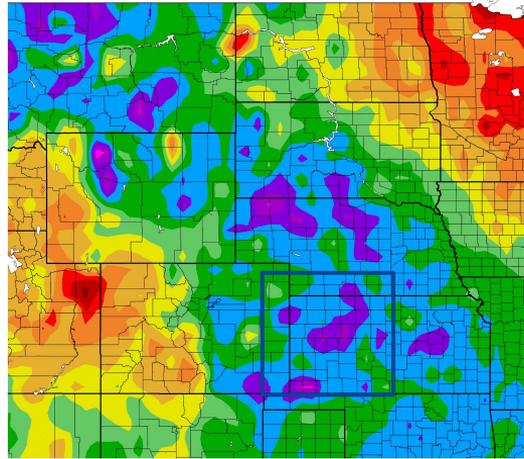




Temperature

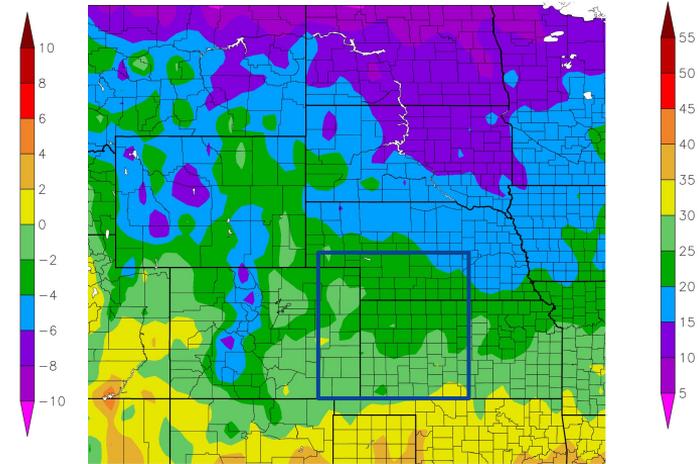
- A cold snap towards the middle portion of the month led to many areas seeing below normal temperatures, despite the mild start and end to the month.
- Many record lows were set during the mid month cold snap along with locations not even making it above zero for 24+ hours.

Departure from Normal Temperature (F)
1/3/2024 – 2/1/2024



Generated 2/2/2024 at HPRCC using provisional data.

Temperature (F)
1/3/2024 – 2/1/2024



NOAA Regional Climate Centers²⁴ at HPRCC using provisional data.

NOAA Regional Climate Centers

Image Captions:
Right - Average Temperature
Left - Departure from Normal Temperature
Data Courtesy High Plains Regional Climate Center. Date Valid:
Feb 03 2024





Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- There are no known impacts at this time.

Agricultural Impacts

- USDA Nebraska Crop Progress and Condition Reports can be found [here](#)
- USDA Kansas Crop Progress and Condition Reports can be found [here](#)

Fire Hazard Impacts

- Given the recent widespread and snowfall, fire concerns are low at this time.

Other Impacts

- There are no known impacts at this time

Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information.

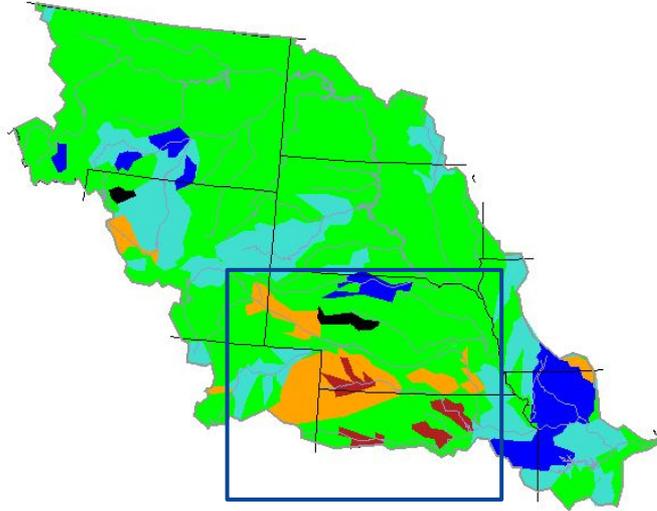




Hydrologic Conditions and Impacts

- Despite the precipitation the average streamflow continues to be below normal.

Thursday, February 01, 2024



USGS

Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Image Caption: USGS 7 day average streamflow HUC map valid Feb 03 2024





Agricultural Impacts

- Due to wet January across the area, the majority of the area is near normal in soil moisture and crop moisture levels.

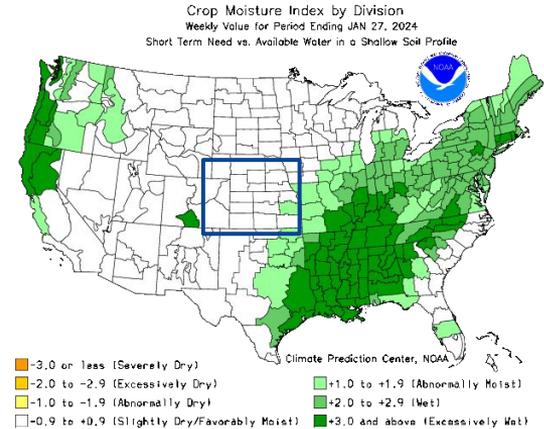
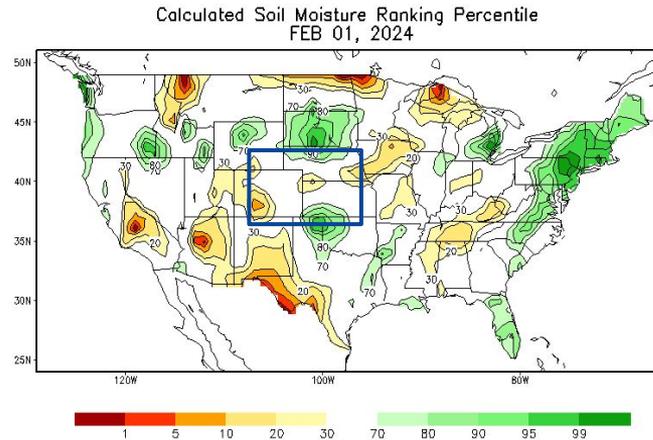


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid Feb 03 2024

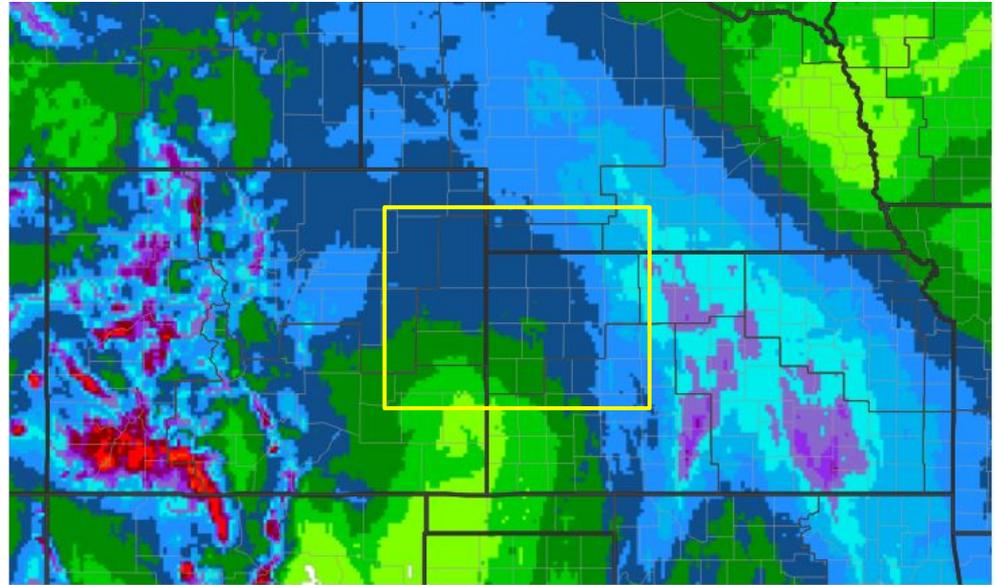
Right: [Crop Moisture Index by Division](#). Weekly value for period ending April 15, 2023





Seven Day Precipitation Forecast

- Widespread much needed rainfall is currently ongoing this first weekend of February.
- The relative heaviest rainfall is favoring eastern portions of NW Kansas where drought conditions remain the worst.
- Additional chances for precipitation continue into the 2nd weekend of the month as well.



Predicted Inches of Precipitation



Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid February 03 to February 10





Long-Range Outlooks

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Monthly outlooks from the Climate Prediction Center (CPC) favors above normal precipitation and temperatures for the month.
- Precipitation chances should continue through the month, but a cooldown around the middle of the month is starting to be seen in some guidance.

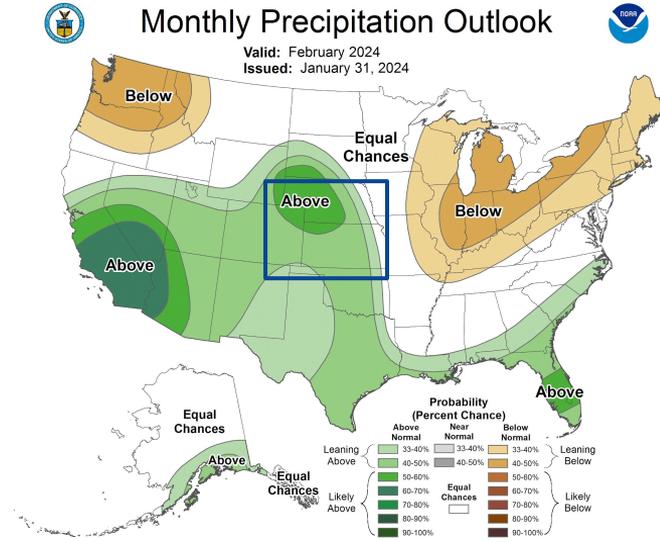
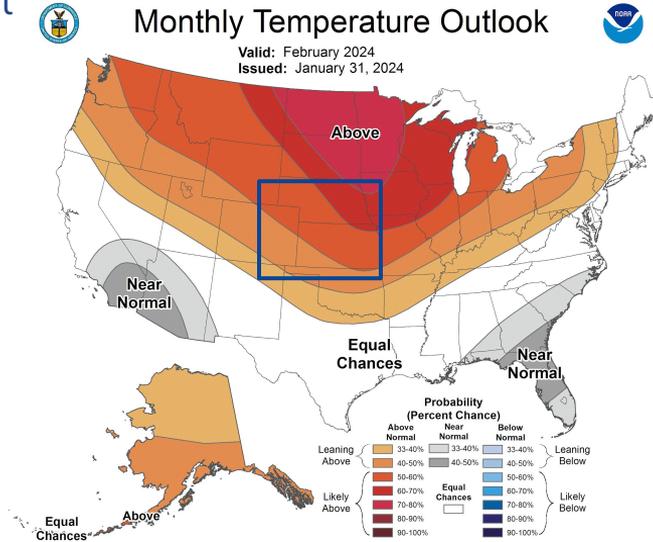


Image Captions:

Left - [Climate Prediction Center Monthly Temperature Outlook](#)

Right - [Climate Prediction Center Monthly Precipitation Outlook](#)

Valid February 2024





Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- The wet start to the month is indicating that drought will either end or improve in most locales in the region.
- Given that January and February are some of the driest months, this is a welcome sign as we head into Spring.

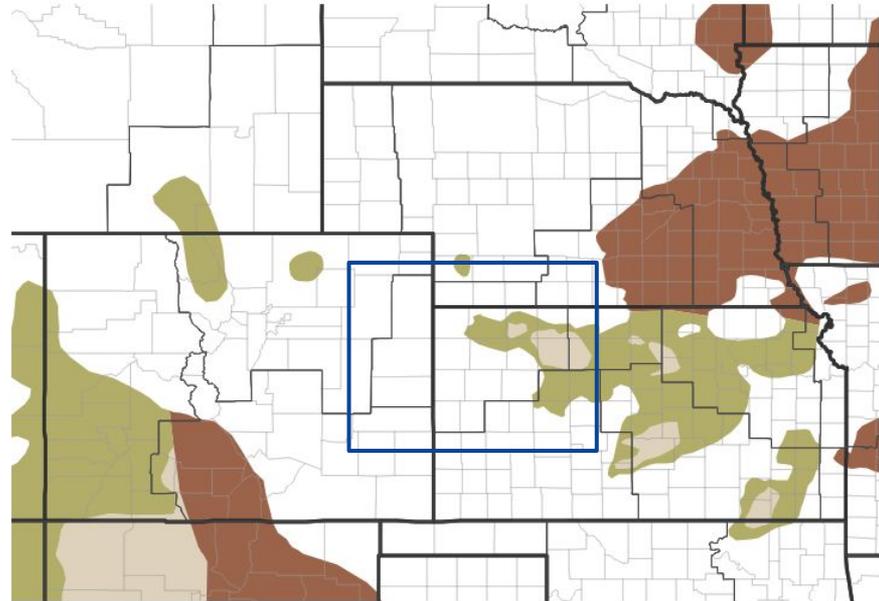


Image Caption:
Climate Prediction Center Monthly Drought Outlook Released **Jan 31, 2024**
Valid: **February 2024**

Links to the latest:

- [Climate Prediction Center Monthly Drought Outlook](#)
- [Climate Prediction Center Seasonal Drought Outlook](#)



Looking Ahead (Spring)

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Spring across the area continues to favor above normal precipitation along no strong signal for either below or above normal temperatures at this time as El Nino continues.
- This may favor an increase potential for severe weather and flooding.

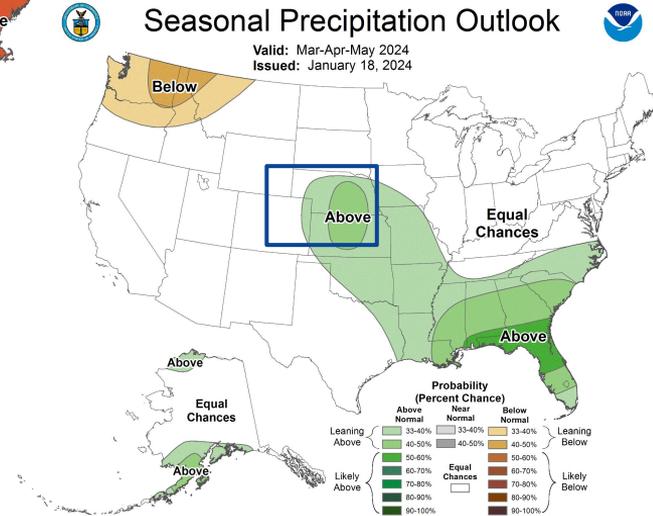
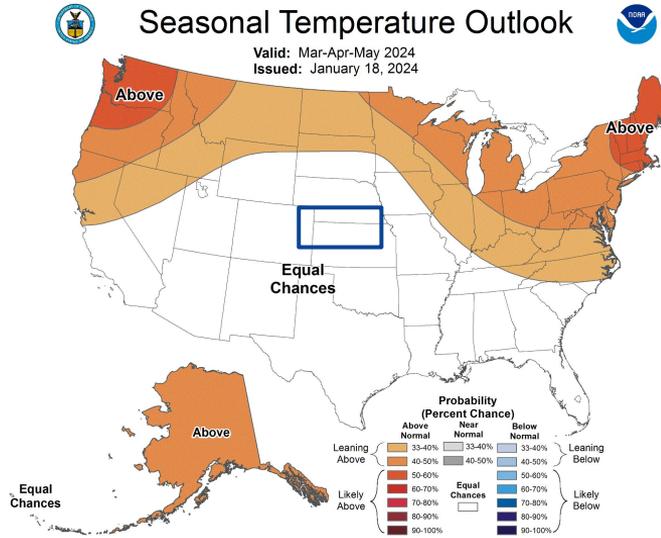


Image Caption:
Climate Prediction Center MAM 2024 Outlook
Valid: January 18th





Looking Ahead (Summer)

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Signals heading into Summer however favor above normal temperatures and below normal precipitation returning.
- ENSO is showing signs of La Nina potentially returning this summer which typically favors the below normal precipitation and possibly drought redeveloping.

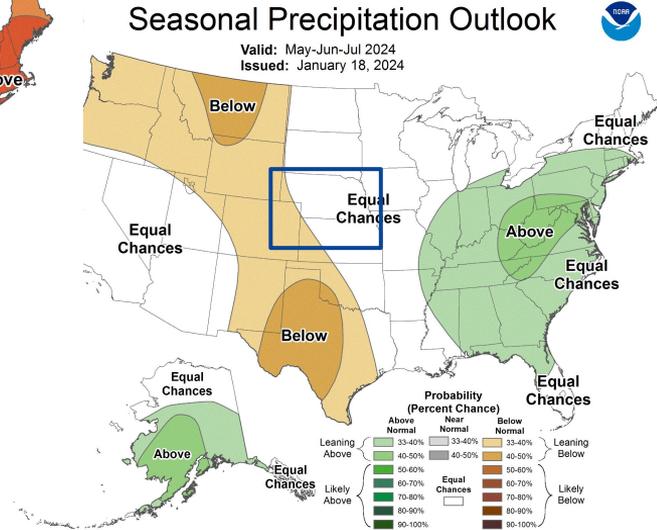
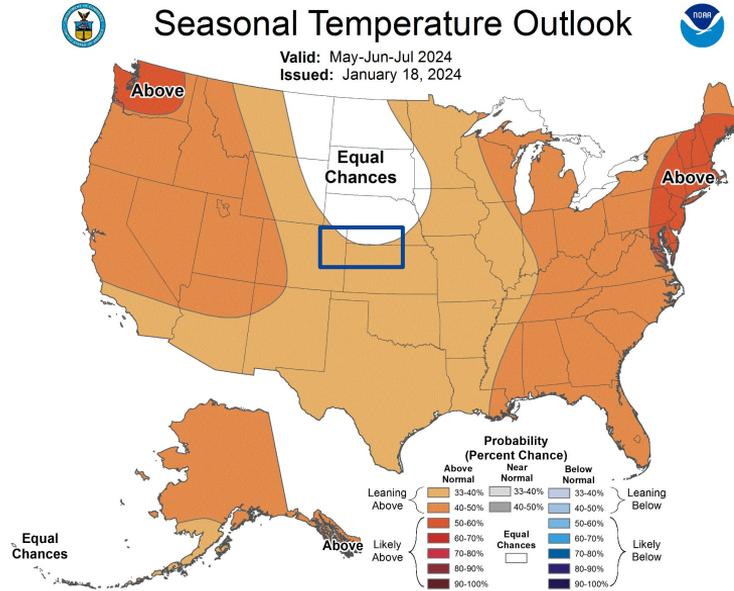


Image Caption:
Climate Prediction Center MJJ 2024 Outlook
Valid: **January 18th**

